

09/19/84

ABSTRACT OF THE DISCLOSURE

To provide an ink jet recording head with a decreased initial deflection amount of a diaphragm and an ink jet recorder comprising the ink jet recording head. An ink jet recording head which has a flow passage formation substrate 10 where pressure generation chambers 12 communicating with nozzle openings are defined and a piezoelectric element being placed on one side of the flow passage formation substrate 10 via a diaphragm and having at least a lower electrode 60, a piezoelectric layer 70, and an upper electrode 80, characterized in that at least one of layers deposited together with the piezoelectric layer 70 is a compression film 50 having a compressive stress and the compression film 50 has at least a part in a thickness direction removed in at least a part of an area opposed to the pressure generation chamber, whereby the stress of the whole film is decreased.

091984 112598